

Fig. 1

Profile directory 102

Profile #	destination	address field	encryption field	password
1	Bob	bob@aol.com	Public key Bob	ABCD
2	Alice	158.56.11.2	Sym key Alice	1234
.
.
.
n	George	g@aol.com		

Fig. 2

—BEGIN PGP PUBLIC KEY BLOCK—

Version: PGP for Personal Privacy 5.0

m7QGiBDchYBURBADA/mprBu0+k82TRm2MR0wnuNLBcVoUEWWOx/8wu0GZNWeFwhBkf
BbaTR0Up/LVm/+VZnW59UCQIkfrf3781A+y0H/wqJPH+j1ptArbn2F4xGx8xD
YqAhJPQa/EIGlmn/yMvr3N63WQu+rAYgmNvoG97yw/P4Zer1S+704u8hJQCg/3hw
6Fjao5CLM114s6hDmUrlyMEALjqWqBG8BMUN+E/pTn8HAvnj0Eq/RKTFux0Eeik
IVVXVGJJsN5wG5E2ptaVj/h6AGjfq+WSAHqip5IkhyPiKXRn/w/exh56LW9QyHXWW
TYjDoP9aca+93B3beLKDWNClxq/6JECy8MGZjNTTQ+yJzrubaLAtFnQO5+JDd0QQ
f9FVBACWX+mDkpuJm3FpMrlgS44ISTJmLGu14hHJcB0XQdGUudztZLzyMjWlqy
m7E1zgVsnaKXk03PyjNTQf42+C8IPK4Ua1h60skfkObhxFi+s9/flu2Go22k4+qa
tMq2rH0cT4kp5v+enHpq0Zle47G1YJLm1bG1ydpL68JfNJO+rQcR3V5IEvkZW4g
PGd1eWVkZW5AZW1haWwuY29tPokASwQQEQIAcwcUCNyFgFQQLAwECAAoJEMviP8wX
XJ/aQkAoL9DUD/0UnS7ukm45J8+wCSruHKXAKCvqjRWt1oSc92BzCF4Tn6cMgb
sLkCDQQ3IWAVEAgA9kjXtw/CBdyorrWqULzBej5UxE5T/bxbrlLOCDAaAdWoxTp
j0BV89AHxstDqZSt90xkhkn4Dl09ZekX1KHTUPj1WV/cdJPPt2N286Z4VeSwC39
uK50T8X8dryDxUowYc58yWb/Ffm7/ZFexwGqj01uejaC1cjUGvC/RgBYK+XoIP1Y
TknbzSC0neSRBzZrM2w4DUUdD3yIsx8WY09vPJI8BD8KVbG120u1WMuF040zT9
fBdXQ6MdGGzeMyEstSr/POGxKUAYEY18hKcKctaGxAMZyAcpesqVDNmWh8vQClCb
AkbTCD1mpF1Bn5x8vYI1hkmkuqiXsNV6TILoWacAAGgAxbeLBILNESeLuRCrS7py
gnQMZGvXFYmaQQTpWT88EUVUIM8m/PPleNyqtp+ubaAs4ajaRMiUE6yT6gF6AY+
hNTw/5+vwPVXdYxO9Cy6GfahGvYxBc9jw16XAoEmaE65N+/UfKluq1i9a9wtdA
KOJASe47LCG9CzW69Ts/zlRT9+TgcRn1H73S9N5lV7mSsbT/Qav/RLc9dSzJ0Z/
6Y1a1eSHVjeRo147LP4T5DCdIEKXuMhDsgBf4cFWim5tqcPoTPBajoCQMe0sMTq
uboSHDUG78f/h1P56ZwfO716WrmEpOn5zpMMAMMDg5CPVatBfcU8amsNVnnXRWKI
c4kApwMFGDchYBXL4j/MF1/yfxEC05YAnA39sM+BMj5StANhyxDnx4By3HgVAKDB
z5NSx9hR0NIYSliPHFTUOojg==
=mBAJ
—END PGP PUBLIC KEY BLOCK—

—END PGP PUBLIC KEY BLOCK—

Fig. 3



Setup:

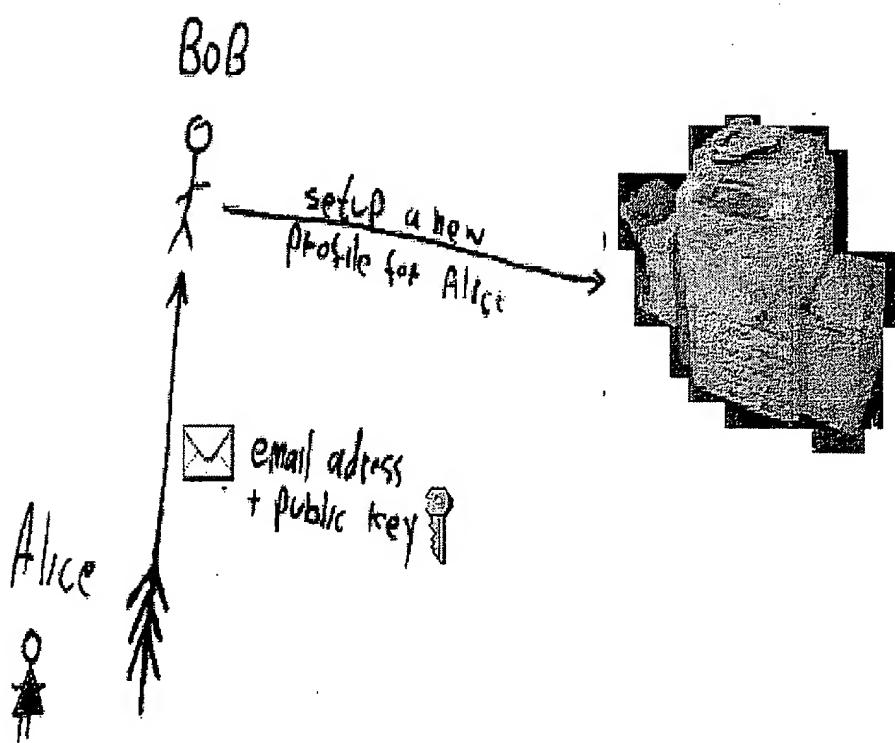


Fig. 4a



Bob Sends an Encrypted Message to Alice

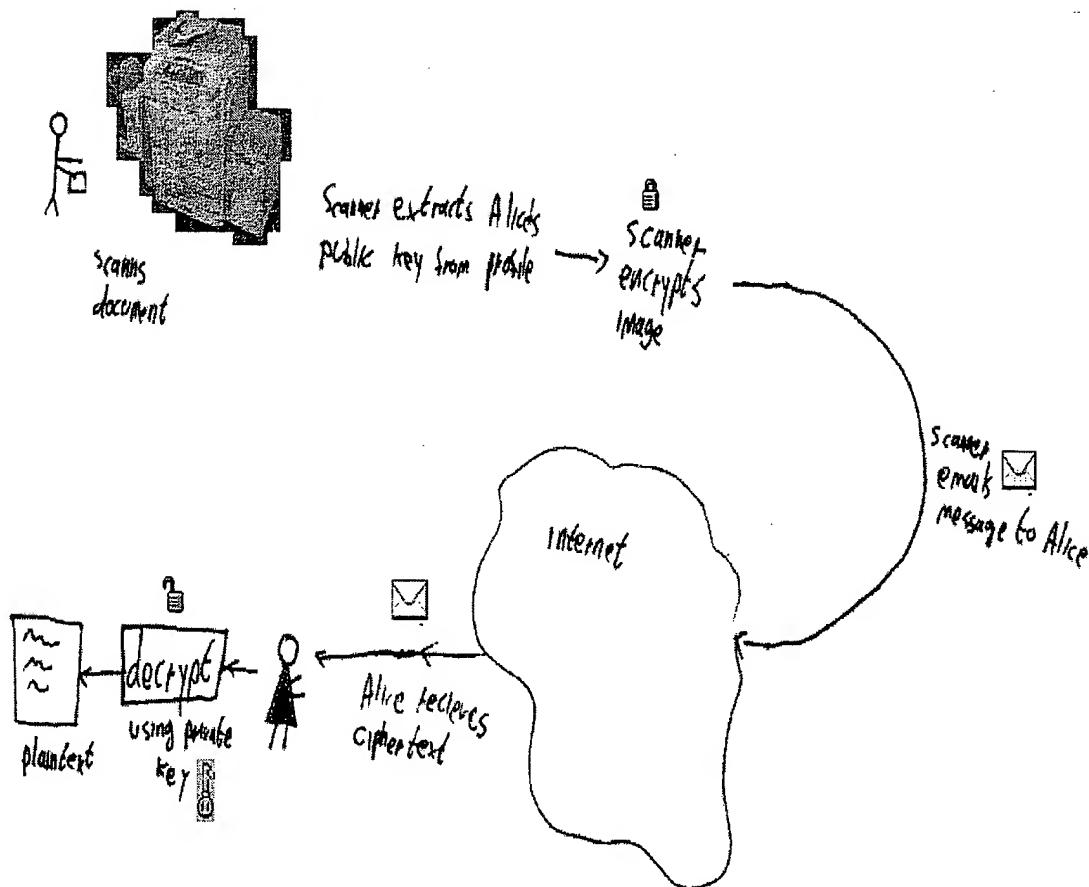


Fig. 4b

Fig. 5

